REQUEST

For receiving Office use only	
e di cara e como a como	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) C2949-PCT TITLE OF INVENTION Box No. I Variable antibodies Box No. II APPLICANT This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. 00 32 16 34 57 75 Facsimile No. D. Collen Research Foundation vzw 00 32 16 34 59 90 Onderwijs en Navorsing, Campus Gasthuisberg Teleprinter No. Herestraat 49 B-3000 Leuven Applicant's registration No. with the Office Belgium State (that is, country) of nationality: State (that is, country) of residence: BE This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only SAINT-REMY, Jean-Marie Rue du Lambais, 79 applicant and inventor B-1390 Grez-Doiceau inventor only (If this check-box is marked, do not fill in below.) Belgium Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: BE BE This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box for the purposes of: Further applicants and/or (further) inventors are indicated on a continuation sheet. Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common representative agent Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. + 32 16 48 05 62 BIRD, William E. Facsimile No. Bird Goën & Co + 32 16 48 05 28 Klein Dalenstraat 42A Teleprinter No. B-3020 Winksele Belgium Agent's registration No. with the Office Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside JACQUEMIN, Marc Rue Morimont 45 B-5330 Sart-Bernard Belgium	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
Store (that is country) of active live			
State (that is, country) of nationality: BE	State (that is, country,	of residence:	
for the purposes of: States the United S	ed States except States of America	the United States indicated in of America only the Supplemental Box	
Name and address: (Family name followed by given name; for a legal en. The address must include postal code and name of country. The country of i Box is the applicant's State (that is, country) of residence if no State of residen	the address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant all designated for the purposes of:	d States except tates of America	the United States indicated in the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	ha addrace indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant all designated for the purposes of:		the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of u Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant for the purposes of: all designated all designated States except the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated on another continuation sheet.			

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- if, in Box No. II or in any of the sub-boxes of Box No. III. the if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI notent) for the purposes of which the named person is OAPI patent) for the purposes of which the named person is
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other patent grant or the date of filing of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- If the applicant intends to make an indication of the wish that Tel: +32-16-48 05 62 the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Continuation of Box No. IV:

BIRD, Ariane Bird Goën & Co Klein Dalenstraat 42A B-3020 Winksele Belgium

Tel: +32-16-48 05 62 Fax: +32-16-48 05 28

HERTOGHE, Kris Bird Goën & Co Klein Dalenstraat 42A B-3020 Winksele Belgium

Fax: +32-16-48 05 28

Sheet No. . . 4

Box No. V DESIGNATIONS				
The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.				
However,				
DE Germany is not d	esignated for any kind of nati	onal protection		
KR Republic of Kore	a is not designated for any ki	nd of national protection		
RU Russian Federation	on is not designated for any k	ind of national protection		
the national law, of an earlie	be used to exclude (irrevocaber national application from w s in these and certain other Si	hich priority is claimed. S	ned in order to avoid the lee the Notes to Box No. I	ceasing of the effect, under as to the consequences of
Box No. VI PRIORITY	CLAIM			
The priority of the following	gearlier application(s) is hereb	oy claimed:		
Filing date of earlier application	Number of earlier application		Vhere earlier application	is:
(day/month/year)	or earner application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 14 August 2003 (14.08.03)	GB 0319118.6	GB		
item (2) 18 August 2003 (18.08.03)	GB 0319345.5	GB		
item (3)				
Further priority claims	are indicated in the Supplemen	ntal Box.		
The receiving Office is reque the earlier application was fil above as:	sted to prepare and transmit to led with the Office which for th	o the International Bureau a se purposes of this internat	a certified copy of the ear	lier application(s) (only if ecciving Office) identified
all items ite	em (1) item (2)	item (3)	other, se	e Supplemental Box
* Where the earlier application	on is an ARIPO application, in	dicate at least one country	party to the Paris Conve	ntion for the Protection of
Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):				ed (Rule 4.10(b)(ii)):
Box No. VII INTERNATIONAL SEARCHING AUTHORITY				
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the				
international search, indicate	the Authority chosen; the two-	vo or more international Se letter code may be used):	earching Authorities are o	competent to carry out the
ISA / .EP	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
Request to use results of ear International Searching Author	rlier search; reference to the ority):	at search (if an earlier sea	arch has been carried out	by or requested from the
Date (day/month/year) Number Country (or regional Office)				
Box No. VIII DECLARATIONS				
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations				
Box No. VIII (i)				
Box No. VIII (ii)				:
Box No. VIII (iii)				:
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America)				
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :				

Box No. IX CHECK LIST; LANGUAGE OF FILING			
This international application contains: (a) in paper form, the following number of sheets: This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in of items			
request (including	1. X fee calculation sheet	: 1	
declaration sheets) : 5	2. original separate power of attorney	:	
description (excluding sequence listing and/or	3. original general power of attorney	:	
tables related thereto) : 75	4. Copy of general power of attorney; reference number,		
claims : 6	if any:	:	
abstract : 1 drawings : 14	6. Priority document(s) identified in Box No. VI as	;	
Sub-total number of sheets: 101	item(s):	: 2	
sequence listing : 20	7. translation of international application into (language):	:	
tables related thereto :	8. Separate indications concerning deposited micrograpism	•	
(for both, actual number of sheets if filed in paper form,	or other biological material 9. Sequence listing in computer readable form	:	
whether or not also filed in computer readable form;	(indicate type and number of carriers)		
see (c) below)	 (i) a copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) 		
Total number of sheets : 121	(ii) \square (only where check-box (b)(i) or (c)(i) is marked in left column)	•	
(b) only in computer readable form (Section 801(a)(i))	additional copies including, where applicable, the copy for the purposes of international search under Rule 13 <i>ter</i>	:	
(i) sequence listing	(iii) together with relevant statement as to the identity of the copy or copies with the sequence listing mentioned in left column	: 1p	
(ii) ☐ tables related thereto (c) ☑ also in computer readable form	10. tables in computer readable form related to sequence listing (indicate type and number of carriers)	. тр	
(Section 80Î(a)(ii)) (i) sequence listing (ii) tables related thereto	 (i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international 		
Type and number of carriers (diskette,	application) (ii) (iii) (only where check-box (b)(ii) or (c)(ii) is marked in left column)	:	
CD-ROM, CD-R or other) on which are contained the	additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)		
sequence listing: .1. diskette	(iii) together with relevant statement as to the identity of the copy or	•	
tables related thereto:	copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)			
Figure of the drawings which should accompany the abstract: 8 Language of filing of the international application: ENGLISH			
Box No. X SIGNATURE OF APPLICAN' Next to each signature, indicate the name of the person sign	T, AGENT OR COMMON REPRESENTATIVE	e request)	
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).			
	Nullan 0. /org		
	Milliam E. DIDD		
	William E. BIRD		
	For receiving Office use only		
1. Date of actual receipt of the purported	2. Drawin	gs:	
international application:		Ĭ	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:			
4. Date of timely receipt of the required corrections under PCT Article 11(2):			
ontolions under 1 C1 Atticle 11(2).			
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid			
For International Bureau use only			
Date of receipt of the record copy by the International Bureau:			

This sheet is not part of and does not count as a sheet of the international application.

FEE CALCULATION SHEET

International Application No.		

For receiving Office use only

Annex to the Request	International Application No.		
Applicant's or agent's file reference C2949-PCT	Date stamp of the receiving Office		
Applicant D. Collen Research Foundation vzw			
CALCULATION OF PRESCRIBED FEES 1. TRANSMITTAL FEE 2. SEARCH FEE International search to be carried out by	ber of sheets ber of sheets \\ 902 EUR ii 710 EUR ii		
thereto are filed in computer readable form under Section 801(a) or both in that form and on paper, under Section 801(a)(ii)): 400 x =	1612 EUR [I] of the are) so fee.) P 3202 EUR		
MODE OF PAYMENT			
authorization to charge postal money order cheque bank draft	cash Coupons revenue stamps Other (specify):		
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT			
(This mode of payment may not be available at all receiving Offices) Authorization to charge the total fees indicated above. (This check-box may be marked only if the conditions for deposit account of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. Authorization to charge the fee for priority document.	Deposit Account No.: Date: 16 August 2004 Name: William E. Bird		
	Signature: Wolfan / S.M.		

Bird Goën & Co c.v.

William Bird, MA (Cambridge), C.Eng. (1)(2)(3)(4)(5)

Ariane Bird (Goën) (1)(8)

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Kris Hertoghe (1)(7)

Electronics, Mechanics, Physics

Thierry Dubost (1)(2)(6)

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Liesbet Paemen, Ph.D. (1) Life Sciences, Biotechnology, Plant Genetics

Chemistry, Biochemistry, Pharmacology

Ivo De Baere, Ph.D. Biotechnology, Life Sciences

An De Vrieze, Ph.D. Semiconductor Processing, Chemistry

Davy Wauters, Ph.D. Physics, Optics

consultant
Peter N. Cutforth, MA Eng (Cambridge) (1)(2)(3)(4)

Telecommunications, Software, Electronics

European Patent (1) and Trademark (2) Attorney Registered British Patent (3) and Trademark (4) Agent Deutscher Patentassessor (5)

French Patent and Trademark Attorney (6)
Belgian Patent Attorney (7)

email 106113.713@

compuserve.com

Ingénieur en Propriété Intellectuelle (CEIPI) (8)

FEDERALE OVERHEIDSDIENST ECONOMIE

Dienst voor de intellectuele Eigendom

North Gate III Koning Albert II-laan, 16 1000 Brussel

Winksele, August 16, 2004

Re: New PCT patent application

Applicant: D. Collen Research Foundation vzw

Title: "Variable antibodies"

in S. brid

Our ref: C2949-PCT/wb/aj

Dear Madam, dear Sir,

I herewith confirm that the information recorded on the data carrier is identical to the written sequence listing.

Very truly yours,

William E. Bird

	International application No.
file reference C2949-PCT	

INDICATIONS RELATING TO DEPOSITED MICROORGANISM OR OTHER BIOLOGICAL MATERIAL

(PCT Rule 13bis)

A. The indications made below relate to the deposited microorgan on page 39 , line 4-10	nism or other biological material referred to in the description		
B. IDENTIFICATION OF DEPOSIT	Further deposits are identified on an additional sheet		
Name of depositary institution BCCM/LMBP (Belgian Co-ordinated Collection of Micr	roorganisms/ Plasmid Collection)		
Address of depositary institution (including postal code and count Department of Molecular Biology Ghent University, K.L. Ledeganckstraat 35 B-9000 Ghent, BELGIUM Present address: Technologiepark 927 B-9052 Zwijnaarde, Belgium)		
Date of deposit 1 July 1999	Accession Number LMBP 5089CB		
C. ADDITIONAL INDICATIONS (leave blank if not applicable	This information is continued on an additional sheet		
Deposit form and viability sheet attached (2 pages)			
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE (if the indications are not for all designated States)			
	·		
E. SEPARATE FURNISHING OF INDICATIONS (leave blank			
The indications listed below will be submitted to the International B Number of Deposit")	ureau later (specify the general nature of the indications e.g., "Accession		
For receiving Office use only	For International Bureau use only		
This sheet was received with the international application	This sheet was received by the International Bureau on:		
Authorized officer	Authorized officer		

23 55 55 55 55 55 55 55 55 55 55 55 55 55	BELGIAN COORDINATED COLLECTIONS OF MICROORGANISMS - BCCM [™] LMBP-COLLECTION Page 1 of Form BCCM [™] /LMBP/BP/4/99-14 Receipt in the case of an original deposit
5	Budapest Treaty on the International Recognition of the Deposit of Microorganisms for the Purposes of Patent Procedure
0	Receipt in the case of an original deposit issued pursuant to Rule 7.1 by the international Depositary Authority BCCM TM /LMBP identified at the bottom of next page
5	International Form BCCM TM /LMBP/BP/4/98-14
=	To: Name of the depositor: JACQUEMIN MARC
	Address : Center for Molecular and Vascular Biology Onderwijs & Navorsing Herestraat 49 3000 Leuven
 	I. Identification of the microorganism: I.1 Identification reference given by the depositor:
	KRIX 1
	1.2 Accession number given by the International Depositary Authority:
-	LMBP 5089CB
e o o	
F L C L	

BELGIAN COORDINATED COLLECTIONS OF MICROORGANISMS - $\mathsf{BCCM}^\mathsf{TM}$ LMBP-COLLECTION

Page 1 of Form BCCM™/LMBP/BP/9/99-14 Viability statement

Budapest Treaty on the international Recognition of the Deposit of Microorganisms for the Purposes of Patent Procedure

Viability statement issued pursuant to Rule 10.2 by the International Depositary Authority BCCM™/LMBP identified on the following page

<u> </u>				intern	ational Form BCCM™/LMBP/BP/9/99-14
4			_		
-	7	o: Pa	arty to whom t	he viabi	ility statement is issued:
Z		.Na	ame	;	JACQUEMIN MARC
		Ad	ldress	:	Center for Molecular and Vascular Biology Onderwijs & Navorsing Herestraat 49 3000 Leuven
22	ı.	Dej	positor:		
-		1.1	Name	:	JACQUEMIN MARC
- :		1.2	Address		Center for Molecular and Vascular Biology Onderwijs & Navorsing Herestraat 49 3000 Leuven
-	11.	lden	tification of the	e micro	organism:
	II.1 Accession number given by the International Depositary Authority:				
			LMBP 508	9CB	
		11.2	Date of the made, the m	original lost rec	deposit (or where a new deposit or a transfer has been ent relevant date) : July 1, 1999
	m.	Viabii	ity statement.		
	,	The v	iability of the r	nicropro	ganism identified under II above was tested on
		: July	9, 1999		
		(Give viabilit	date. In the ca	ses refe	erred to in Rule 10.2(a)(ii) and (iii), refer to the most recent
		On the	nt date, the sai	d micro	organism was: (mark the applicable box with a cross)
		\boxtimes	viable		•
			no longer viat	ole	

Applicant's or a gent's file reference C2949-PCT	International application No.
	

INDICATIONS RELATING TO DEPOSITED MICROORGANISM OR OTHER BIOLOGICAL MATERIAL

(PCT Rule 13bis)

A. The indications made below relate to the deposited microorga on page 70 , line 21-27	nism or other biological material referred to in the description
B. IDENTIFICATION OF DEPOSIT	Further deposits are identified on an additional sheet
Name of depositary institution BCCM/LMBP (Belgian Co-ordinated Collection of Micro	roorganisms/ Plasmid Collection)
Address of depositary institution (including postal code and country Department of Molecular Biology Ghent University Technologiepark 927 B-9052 Zwijnaarde, Belgium	(ער)
Date of deposit August 2004	Accession Number
C. ADDITIONAL INDICATIONS (leave blank if not applicable	This information is continued on an additional sheet
Deposit date, number, deposit form and viability sheet	to be supplied
D. DESIGNATED STATES FOR WHICH INDICATIONS AF	RE MADE (if the indications are not for all designated States)
	·
E. SEPARATE FURNISHING OF INDICATIONS (leave blank	
The indications listed below will be submitted to the International B Number of Deposit")	ureau later (specify the general nature of the indications e.g., "Accession
For receiving Office use only This sheet was received with the international application	For International Bureau use only This sheet was received by the International Bureau on:
Authorized officer	Authorized officer
	<u> </u>

Form PCT/RO/134 (July1998; reprint January 2004)